

AMENDMENTS TO THE CLAIMS

1. (currently amended) An Adhesive composition for use in the manufacture of wood-based boards, ~~said~~ the adhesive composition containing comprising 40 to 80 w % of a resin, 5 to 30 w % of a filler, 0.1 to 10 w % of a foaming agent and 0 to 40 w % of a solvent, and said composition being formable, characterized in that the adhesive composition contains 40—80 w % resin, 5—30 w % filler, 0—40 w % solvent, and 0.1—10 w % wherein foaming agent comprises a compound selected from the group consisting of organic and/or inorganic surface-active sulfate compounds, sulfonate compounds, phosphate compounds, or phosphonate compounds, or their derivatives or mixtures and combinations thereof.

2. (currently amended) The adhesive ~~Adhesive~~ composition ~~according to~~ of claim 1, ~~characterized in that~~ wherein the foaming agent comprises a compound selected from the group consisting of lauryl sulfate, lauryl ether sulfate, benzene sulfate, ~~or a compound, their derivatives derivative or mixture of these~~ and combinations thereof.

3. (currently amended) The adhesive ~~Adhesive~~ composition ~~according to~~ of claim 2, ~~characterized in that~~ wherein the foaming agent comprises a compound selected from the group consisting of ~~lauryl sulfate or lauryl ether sulfate has been selected from the group:~~ sodium lauryl sulfate, ammonium lauryl sulfate, potassium lauryl sulfate, sodium lauryl ether sulfate, ammonium lauryl ether sulfate, potassium lauryl ether sulfate, their derivatives and combinations thereof ~~a derivative of these or a mixture of these or the like.~~

4. (currently amended) The adhesive ~~Adhesive~~ composition ~~according to~~ of claim ~~1 or~~ 2, ~~characterized in that~~ wherein the foaming agent comprises a compound selected from the group consisting of ~~has been selected from the group:~~ sodium isopropyl sulfonate, sodium lauryl sulfonate, sodium benzene sulfonate, sodium alkyl benzene sulfonate, ammonium lauryl phosphate, ammonium lauryl sulfonate, potassium olein sulfate, sodium naphthalene sulfonate, their derivatives and combinations thereof ~~or a compound, derivative or mixture of these or the like.~~

5. (currently amended) The adhesive ~~Adhesive~~ composition of claim 1 according to any one of claims 1—4, characterized in that wherein the composition comprises contains 0.1—5 w % 0.1 to 5w % foaming agent.

6. (currently amended) The adhesive ~~Adhesive~~ composition of claim 1 according to any one of claims 1—5, characterized in that wherein the adhesive composition contains 1—10 w % 1 to 10w % foaming agent, and wherein the foaming agent comprises of which 0.1—30 w % consists of 0.1 to 30w % of a compound selected from the group consisting of lauryl sulfate, lauryl ether sulfate, benzene sulfate, their derivatives and combinations thereof or compounds, derivatives or mixtures of these.

7. (currently amended) The adhesvie ~~Adhesive~~ composition of claim 1 according to any one of claims 1—6, characterized in that wherein the resin has been is selected from the group consisting of OF, MUF, MUFP, PF, PMF, PRO, their derivatives and combinations thereof a derivative of these or a mixture of these or the like.

8. (currently amended) The adhesive ~~Adhesive~~ composition of claim 1 according to any one 10 of claims 1—7, characterized in that wherein the composition contains 50—70 w % comprises 50 to 70 w % resin.

9. (currently amended) The adhesive ~~Adhesive~~ composition of claim 1 according to any one of claims 1—8, characterized in that wherein the composition contains 8—20 w % comprises 8 to 20 w % filler.

10. (currently amended) The adhesive ~~Adhesive~~ composition of claim 1 according to any one of claims 1—9, characterized in that wherein the filler has been is selected from the group consisting of starch, wheat meal, chalk, sodium carbonate, potassium carbonate, calcium carbonate, ammonium sulfate, wood powder, quebracho, and combinations thereof or a derivative or mixture of these or the like.

11. (currently amended) The adhesive ~~Adhesive~~ composition of claim 1 according to any one of claims 1—10, characterized in that wherein the composition contains ~~12—35 w %~~ 12 to 35 w % solvent.

12. (currently amended) The adhesive ~~Adhesive~~ composition of claim 1 according to any one of claims 1—11, characterized in that wherein the solvent is water or an organic solvent.

13. (currently amended) The adhesive ~~Adhesive~~ composition of claim 1 further comprising added air according to any one of claims 1—12, characterized in that the adhesive composition contains air added to it.

14. (currently amended) The adhesive ~~Adhesive~~ composition of claim 1 according to any one of claims 1—13, characterized in that wherein the foaming agent is in solid, liquid or paste-like state.

15. (currently amended) The adhesive ~~Adhesive~~ composition of claim 1 according to any one 3-5 of claims 1—14, characterized in that the adhesive composition has been produced by prepared by a process comprising mixing the resin, filler, foaming agent and solvent together to form an emulsion.

16. (currently amended) The adhesive ~~Adhesive~~ composition of claim 15 wherein the mixing is at a temperature greater than about 40 °C according to any one of claims 1—15, characterized in that the adhesive composition has been produced by mixing the resin, filler, foaming agent and solvent together at a temperature of over 40 [deg]C.